

What is claimed is:

1. A piezoelectric composite characterized in comprising a piezoelectric ceramic and a polymer having a bulk density of 0.4g/cm^3 or less, wherein the polymer includes
5 bubbles dispersed therein.
2. A method for preparing a piezoelectric composite according to claim 1, characterized in comprising: a first step for forming a plurality of grooves on a ceramic by means of a mechanical process; and a second step for filling a polymer powder into
10 the grooves, the polymer powder enclosing a liquid which is to be gasified at a predetermined temperature, followed by being subjected to a heat treatment to form the polymer having a bulk density of 0.4g/cm^3 or less, integrated with the ceramic.